



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

**KUROSAKI, Toru, et al.**

Group Art Unit: **2812**

Serial No.: **10/607,083**

Examiner: **Not Yet Assigned**

Filed: **June 27, 2003**

P.T.O. Confirmation No.: **5416**

For: **SEMICONDUCTOR DEVICE**

**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 CFR 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

January 2, 2004

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. One copy of each of these documents is attached.

No fee or certification is required in connection with this Information Disclosure Statement, since it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

The Commissioner is authorized to charge our Deposit Account No. 01-2340 for any fee which is deemed by the Patent and Trademark Office to be required to effect consideration of this statement.

Respectfully submitted,

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PATENT TRADEMARK OFFICE

Enclosures: PTO-1449 and (26) References

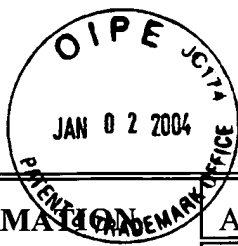
New U.S. Patent Application  
Filing Date: June 27, 2003  
Your Ref.: P3483-3020-030781  
Our Ref.: 03-3004

**LIST OF REFERENCES AS IDS  
CITED BY THE APPLICANTS**

<b>Document No.</b>	<b>Date</b>
1. US Patent No. 5,438,215	08/01/95
2. US Patent No. 5,216,275	06/01/93
3. US Patent No. 5,241,195	08/31/93
4. US Patent No. 5,883,411	03/16/99
5. US Patent No. 5,081,509	01/14/92
6. US Patent No. 4,754,310	06/28/88
7. US Patent No. 6,204,097 B1	03/20/01
8. US Patent No. 3,541,403	11/17/70
9. US Patent No. 6,184,545 B1	02/06/01
10. US Patent No. 3,391,287	07/02/68
11. US Patent No. 3,335,296	08/08/67
12. US Patent No. 6,404,032 B1	06/11/02
13. JP P2001-284604 A	12/10/01
14. EP 1 139 433 A1	10/04/01
15. US Patent No. 6,573,559	06/03/03
16. JP P2001-244462 A	09/07/01
17. EP 1 130 653 A2	09/05/01
18. US Patent Application Publication No. 2003/0203576 A1 (Divisional Application of document No. 15)	10/30/03
19. US Patent Application Publication No. 2003/0042555 A1	03/06/03
20. EP 1 289 022 A2	03/05/03
21. JP P2003-69017 A	03/07/03

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|---|----------|----------|
| 22. JP P2003-243671 A                                     | 08/29/03 |          |
| 23. EP 1 339 105 A2                                       | 08/27/03 |          |
| 24. JP P2003-258270 A                                     | 09/12/03 |          |
| 25. US Patent Application Publication No. 2003/0160262 A1 |          | 08/28/03 |
| 26. EP 1 341 238 A2                                       | 09/03/03 |          |

Note: Documents Nos. 12 and 14 are family patents claiming a priority of No.13.  
Documents Nos. 15 and 17 are family patents claiming a priority of No. 16.  
Documents Nos. 19 and 20 are family patents claiming a priority of No. 21.  
Documents Nos. 23 claims a priority of No. 22 and Nos. 25 and 26 are family patents claiming priorities of Nos. 22 and 24.  
Nos. 12-26 are documents of the application by Shindengen Electric Manufacturing Co., Ltd.



**INFORMATION  
DISCLOSURE  
CITATION  
PTO-1449**

Atty. Docket No. **030781**

Serial No. **10/607,083**

Applicant(s): **KUROSAKI, Toru, et al.**

( 1 of 2 )

Filing Date: **June 27, 2003**

Group Art Unit: **2812**

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
_____	AA	5,438,215	08/01/95			
_____	AB	5,216,275	06/01/93			
_____	AC	5,241,195	08/31/93			
_____	AD	5,883,411	03/16/99			
_____	AE	5,081,509	01/14/92			
_____	AF	4,754,310	06/28/88			
_____	AG	6,204,097 B1	03/20/01			
_____	AH	3,541,403	11/17/70			
_____	AI	6,184,545 B1	02/06/01			
_____	AJ	3,391,287	07/02/68			
_____	AK	3,335,296	08/08/67			
_____	AL	6,404,032 B1	06/11/02			(related to JP2001-284604A)
_____	AM	6,573,559	06/03/03			(related to JP2001-244462 A)
_____	AN	2003/0203576 A1	10/30/03			(Divisional Appln. of US. Patent No. 6,473,559)
_____	AO	2003/0042555 A1	03/06/03			(related to JP2003-69017 A)
_____	AP	2003/0160262 A1	08/28/03			(related and claims a priority on (JP2003-243671 A and JP2003-258270 A)

**OTHER DOCUMENTS**

_____	AQ	
Examiner	Date Considered	



<b>INFORMATION DISCLOSURE CITATION PTO-1449</b>	Atty. Docket No. <b>030781</b>	Serial No. <b>10/607,083</b>
	Applicant(s): <b>KUROSAKI, Toru, et al.</b> ( 2 of 2 )	
	Filing Date: <b>June 27, 2003</b>	Group Art Unit: <b>2812</b>

#### FOREIGN PATENT DOCUMENTS

Document No.		Date	Country	Translation (Yes or No)	
_____	AR	2001-284604	12/10/01	Japan	Abstract
_____	AS	EP 1 139 433 A1	10/04/01	European	Yes (related to JP2001-284604A)
_____	AT	2001-244462 A	09/07/01	Japan	Abstract
_____	AU	EP 1 130 653 A2	09/05/01	European	Yes (related to JP2001-244462 A)
_____	AV	EP 1 289 022 A2	03/05/03	European	Yes (related to JP2003-69017 A)
_____	AW	2003-69017 A	03/07/03	Japan	Abstract
_____	AX	2003-243671 A	08/29/03	Japan	Abstract
_____	AY	EP 1 339 105 A2	08/27/03	European	Yes (claims a priority on (JP2003-243671 A)
_____	AZ	2003-258270 A	09/12/03	Japan	No
_____	BA	EP 1 341 238 A2	09/03/03	European	Yes (related and claims a priority on (JP2003-243671 A and JP2003-258270 A)

#### OTHER DOCUMENTS

_____	BB	
Examiner		Date Considered